

What is claimed is:

1. An optical disk recording device comprising:

an optical pickup which irradiates laser light onto an area for forming pits at a first output and irradiates laser  
5 light onto an area for forming no pits at a second output lower than said first output, during recording data in an optical disk;

a first detector which detects an intensity of reflected light of said laser light irradiated at said second output from an unrecorded area;

10 a second detector which detects an intensity of reflected light of said laser light irradiated at said second output from a recorded area;

a processor which calculates a ratio of both intensities of said reflected light from said unrecorded area and said  
15 reflected light from said recorded area; and

a voltage adjuster which adjusts said first output such that said intensity ratio is within a predetermined range.

2. The optical disk recording device according to claim 1, wherein said optical pickup comprises a laser diode and a beam  
20 splitter which splits laser light output from said laser diode to at least three laser lights and outputs said split laser lights onto a track for data recording and tracks outside and inside of said track for data recording, said first detector detects reflected light from said track outside of said track for data  
25 recording, and said second detector detects reflected light from said track inside of said track for data recording.

3. The optical disk recording device according to claim 1, further comprising a position adjuster which adjusts position of

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said optical pickup according to the intensities of said reflected light detected by said first and second detectors.

4. The optical disk recording device according to claim 2, further comprising a position adjuster which adjusts position of  
5 said optical pickup according to the intensities of said reflected light detected by said first and second detectors.

5. A recording method for an optical disk recording device comprising the steps of:

10 irradiating laser light from an optical pickup onto an area for forming pits at a first output, and irradiating laser light from said optical pickup onto an area for forming no pits at a second output lower than said first output, during recording data in the optical disk;

15 detecting an intensity of reflected light of said laser light irradiated at said second output from an unrecorded area and an intensity of reflected light of said laser light irradiated at said second output from a recorded area;

20 calculating a ratio of both intensities of said reflected light from said unrecorded area and said reflected light from said recorded area; and

adjusting said first output such that said intensity ratio is within a predetermined range.

25 6. The recording method for an optical disk recording device according to claim 5, wherein said irradiating laser light onto said optical disk comprises the steps of splitting laser light output from a laser diode provided to said optical pickup to at least three laser lights and outputting said split laser lights onto a track for recording data and tracks outside and

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inside of said track for data recording, and said detecting intensities of reflected light from said unrecorded and recorded areas comprises the step of detecting reflected light from said track outside of said track for data recording and reflected  
5 light from said track inside of said track for data recording.

7. The recording method for the optical disk recording device according to claim 5, further comprising the step of adjusting position of said optical pickup according to the intensities of said reflected light from said unrecorded and  
10 recorded areas.

8. The recording method for the optical disk recording device according to claim 6, further comprising the step of adjusting position of said optical pickup according to the intensities of said reflected light from said unrecorded and  
15 recorded areas.

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